

Greenfield high-performance project for Suryadev Chennai-based steel mill

AIC recently commissioned the greenfield 350,000TPA Rolling Mill for Suryadev Alloys and Power Ltd (SAP), one of the largest steel manufacturers based of India.

The **new high-speed mill** will produce 8mm-40mm rebar at a maximum rated speed of 28m/s applying single slit rolling. The mill is equipped with fewer stands, Quenching & Tempering systems, and discharge with high-speed twin channel systems.

AIC has rolled all the sections successfully and trails are underway to take the mill up to the rated maximum speeds. The entire mill is automatically controlled by an advanced industry 4.0 compliant automation system (RACS), engineered and supplied by AIC India (Bangalore), ensuring full process control, and minimizing manual interventions.

The first material in the cooling bed has been tested at the end of 2021 and early activities were focused on stabilizing the slow line.



Figure 1&2 – Main pulpit for full process control.

AIC Capitanio Tailored Automation is a global system integrator that designs, manufactures and commissions turn-key plants worldwide, providing advanced and tailored automation and mechatronics solutions for the steel industry, with the aim to continuously improve both efficiencies, competitiveness, and safety of the production processes. With more than 1500 applications worldwide and more than 45 years of history, AIC can boast a unique experience in both greenfield and revamping projects, especially in meltshops and long products rolling mills.

Suryadev Alloys and Power Private Limited (SAP) is a Chennai-based company, one of the prominent manufacturers and suppliers of a wide range of iron and steel products. The organization holds immense expertise in manufacturing TMT and wire rod coils. The site is engaged in the production of Quenching and Self Tempering (QST) rebars, and also has induction furnaces.

For more information:



Mattia Campanini
Email: mattia.campanini@aicnet.it
Tel: +39 0365 826333